CHICAGO
Electric® Power Tools

# JUMPSTARTER SYSTEM

## Model 38391

**ASSEMBLY AND OPERATING INSTRUCTIONS**

Distributed exclusively by
Harbor Freight Tools®.

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**For technical questions and replacement parts, please call 1-800-444-3353**

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## Specifications

| ITEM | DESCRIPTION |
|---|---|
| Battery Type | Sealed, lead-acid, rechargeable, 17 amp |
| Power Output | 900 amps peak / 400 amps starting power |
| Weight | 19 lbs |
| Cables | Rubber insulated (#4) copper |

## Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

## Safety Warnings and Precautions

**WARNING**: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

**Read all instructions before using this tool!**

1. **Wear eye protection.** When working on or around lead-acid batteries, always wear eye protection.
2. **Avoid contact with Battery Acid.** If splashed, immediately wash effected area with clean water. Continue washing area until medical help arrives.
3. **Connect cables to proper polarities.** Connect black cable to negative body ground and red cable to positive battery terminal.
4. **Use this tool in well ventilated areas.** Do not attempt to jump start vehicle around flammable gases or liquids.
5. **Do not allow the Black and Red clamps to touch.** If this happens it can melt clamps or other metal objects. Place them only on the corresponding terminals.

6. **12 Volt Systems Only.** Use only with vehicles and boats with 12 volt electrical systems.

7. **For emergency use only.** Do not use this system in the place of a vehicle battery. Only use to jump start your vehicle.

8. **Avoid working alone**. If an accident happens, an assistant can bring help.

9. **Avoid electrical shock.** Use extreme caution when clamping around uninsulated conductors or bus bars. Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and cabinet enclosures when testing voltages.

10. **Keep work area clean**. Cluttered areas invite injuries.

11. **Avoid damaging Jumpstarter System**. Use only as specified in this manual.

12. **Observe work area conditions**. Do not use tool in damp or wet locations. Don't expose to rain. Keep work area well lighted.

13. **Keep children away**. Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.

14. **Store idle equipment**. When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.

15. **Do not place this unit** in direct sunlight, direct heat or moisture.

16. **Dress properly**. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically nonconductive clothes and nonskid footwear are recommended when working. Wear restrictive hair covering to contain long hair.

17. **Use eye and ear protection**. Always wear ANSI approved impact safety goggles.

18. **Do not overreach**. Keep proper footing and balance at all times. Do not reach over or across electrical cables or frames.

19. **Maintain tools with care**. Inspect tool cords periodically and, if damaged, have them repaired by an authorized technician.

20. **Stay alert**. Watch what you are doing, use common sense. Do not operate any tool when you are tired.

21. **Check for damaged parts**. Before using any tool, any part that appears

damaged should be carefully checked to determine that it will operate properly and perform its intended function. Do not use the tool if any switch does not turn On and Off properly.

22. **Replacement parts and accessories**. When servicing, use only identical replacement parts. Use of any other parts will void the warranty.

23. **Do not operate tool if under the influence of alcohol or drugs**. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

24. **Caution:** Lead acid batteries generate additional hydrogen gases during charging operations. Hydrogen gas is poisonous to breath, highly flammable and explosive. Only use the Jumpstarter System in a well ventilated area. No smoking allowed in the working area.

**Warning:** People with pacemakers should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.

## Operation

**Warning**: **Electrical shock can cause death or injury. Avoid touching exposed conductors of electricity.**

The Jumpstarter System is designed for use with vehicles and boats. You will not need a host vehicle or 120 VAC power supply. You can also use this system as a portable power source of 12 VDC in remote areas or emergencies.

**To use the Jumpstarter System to start your vehicle:**

1. Make sure the vehicle or boat to be jump started is not running. Make sure the safety switch on the jumpstarter is in the OFF position.

2. Connect the black cable to the negative body ground.

3. Connect the red cable to the positive terminal on the vehicle's battery.

4. Switch the vehicle or boat ignition to the On position, and the safety switch on the jumpstarter to the ON position.

5. Wait for about a minute or two.

6. Switch the boat or vehicle to the start position for no more than 5 to 6 seconds.

7. If the vehicle or boat engine does not start, wait at least 3 minutes before retrying.

**Caution**: Never allow the red and black clamps to touch each other or a common conductor.

8. When the engine is running, turn the safety switch to OFF, disconnect the black clamp first, and return the cable to its stored position on the jumpstarter system.

9. Disconnect the red clamp and return the cable to its position on the system.

10. As soon as possible, recharge your Jump Start System.

**To use your Jump Start System to power appliances:**

1. Lift up the cover of the Cigarette Lighter Receptacle (18).

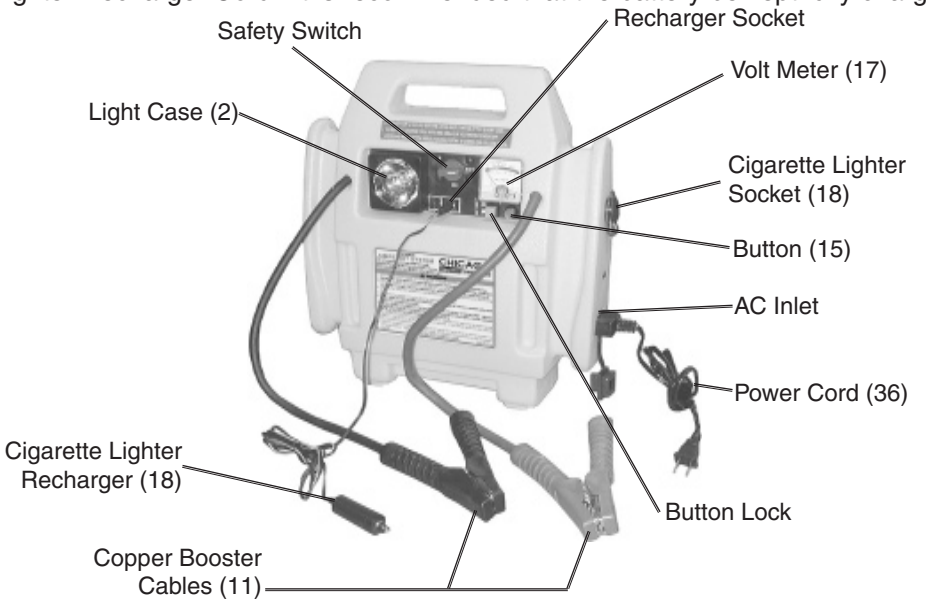
2. Insert the cigarette lighter Plug from the appliance into the Cigarette Lighter Receptacle (18).

3. Turn the Safety Switch to the ON position to energize clamps and connectors.

> **Warning**: When the Jumpstarter System is not in use, always turn the Safety Switch to the OFF position. This prevents accidental short circuits of the clamps and connectors which could cause fire, burns, or shock.

## Recharging

This unit is rechargeable by using the Power Adapter (22), or by use of the Cigarette Lighter Recharger Cord. It is recommended that the battery be kept fully charged




**Note: Connections above are shown to illustrate function. Do not attempt to charge the unit through two means at once.**

at all times. If the battery is left in a low charge state it could shorten battery life. Keep in mind that the time required to recharge the battery depends on the number of previous battery jump starts. To check and see if the battery is low, press the Button (15). The Meter (17) will show the battery charge level. Green area of meter indicates that it is charged.

**To charge and recharge using the Power Cord and AC Inlet:**

1. Insert the Power Cord's female plug into the rectangular AC Input on the side of the unit, and the male plug into a 120 VAC outlet.
2. **For the initial charge, allow the Jump Start System to charge for 24 hours. For recharges, allow the Jump Start System to recharge for 8 to 10 hours.** Check the recharge progress by pressing the red Button (15). This will show the level of battery power on the Volt Meter (17).
3. This Jumpstarter System is equipped with an automatic cut off to help prevent overcharging.

**To recharge using a 12 VDC supply:**

1. Insert the Cigarette Lighter Recharger Plug into the Front Panel port labeled Recharge.

| Part | Description | Qty | Part | Description |
|---|---|---|---|---|
| 1 | Case | 1 | 19 | Cigarette Lighter Cap |
| 2 | Light Case | 1 | 20 | Battery |
| 3 | Light Glass | 1 | 21 | Overcharging Cutoff |
| 4 | Light Cup | 1 | 24 | Screw M2.5 x 6 |
| 5 | Cover | 1 | 25 | Screw M2.5 x 12F |

PLEASE READ THE FOLLOWING CAREFULLY

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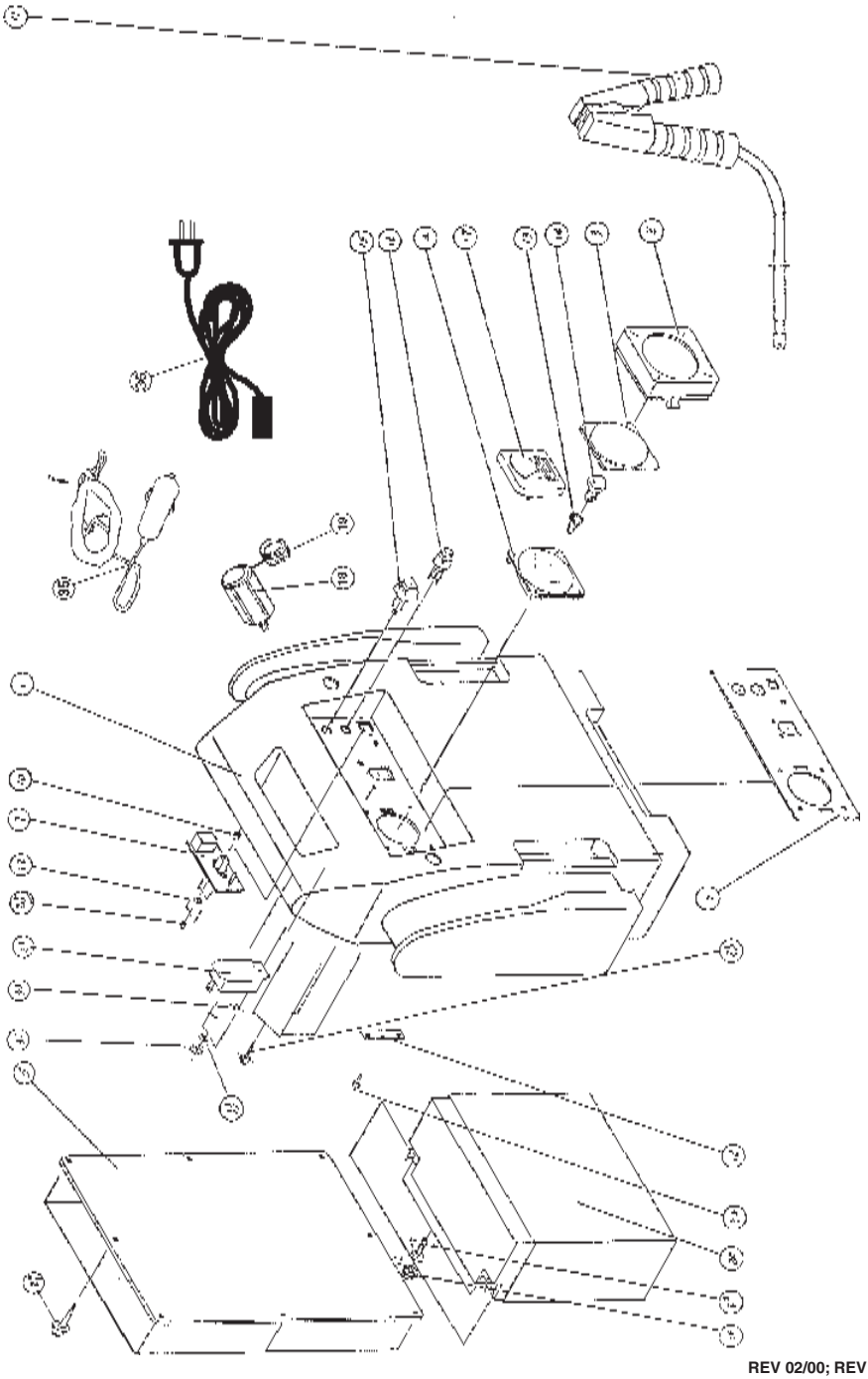
# Assembly Drawing



REV 02/00; REV 04/06